

TWIN-TRIODE AMPLIFIER

Heater	Coated Unipotential Cathodes		
Voltage	6.3	a-c or d-c volts	
Current	0.3	amp.	
Direct Interelectrode Capacitances (Approx.):			
	<u>Triode Unit T₁</u>	<u>Triode Unit T₂</u>	
Grid to Plate	2.6	1.8	μuf
Grid to Cathode	2.6	1.3	μuf
Plate to Cathode	2.0	2.2	μuf
Grid to Grid		0.1	μuf
Plate to Plate		2.0	μuf
Overall Length		4-7/32" to 4-15/32"	
Seated Height		3-21/32" to 3-29/32"	
Maximum Diameter		1-9/16"	
Bulb		ST-12	
Cap		Skirted Miniature, Style A	
Base		Small Shell Octal 8-Pin	
Pin 1 - No Connection		Pin 6 - Plate (Triode T ₁)	
Pin 2 - Heater		Pin 7 - Heater	
Pin 3 - Plate (Triode T ₂)		Pin 8 - Cathode (Triode T ₁)	
Pin 4 - Cathode (Triode T ₂)		Cap - Grid (Triode T ₂)	
Pin 5 - Grid (Triode T ₁)			
Mounting Position	BOTTOM VIEW (G-8G)		Any
	<u>EACH TRIODE UNIT</u>		
Plate Voltage		250 max. volts	
Grid Voltage		0 min. volts	
Plate Dissipation		1.0 max. watt	
Characteristics - Class A ₁ Amplifier:			
Plate		250	volts
Grid		-4.5	volts
Amp. Fact.		36	
Plate Res.		22500	ohms
Transcond.		1600	μmhos
Plate Cur.		3.2	ma.
Typical Operation - Resistance-Coupled Amplifier:			
See RESISTANCE-COUPLED AMPLIFIER CHART.			
■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.			
← Indicates a change.			

Dec. 1, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

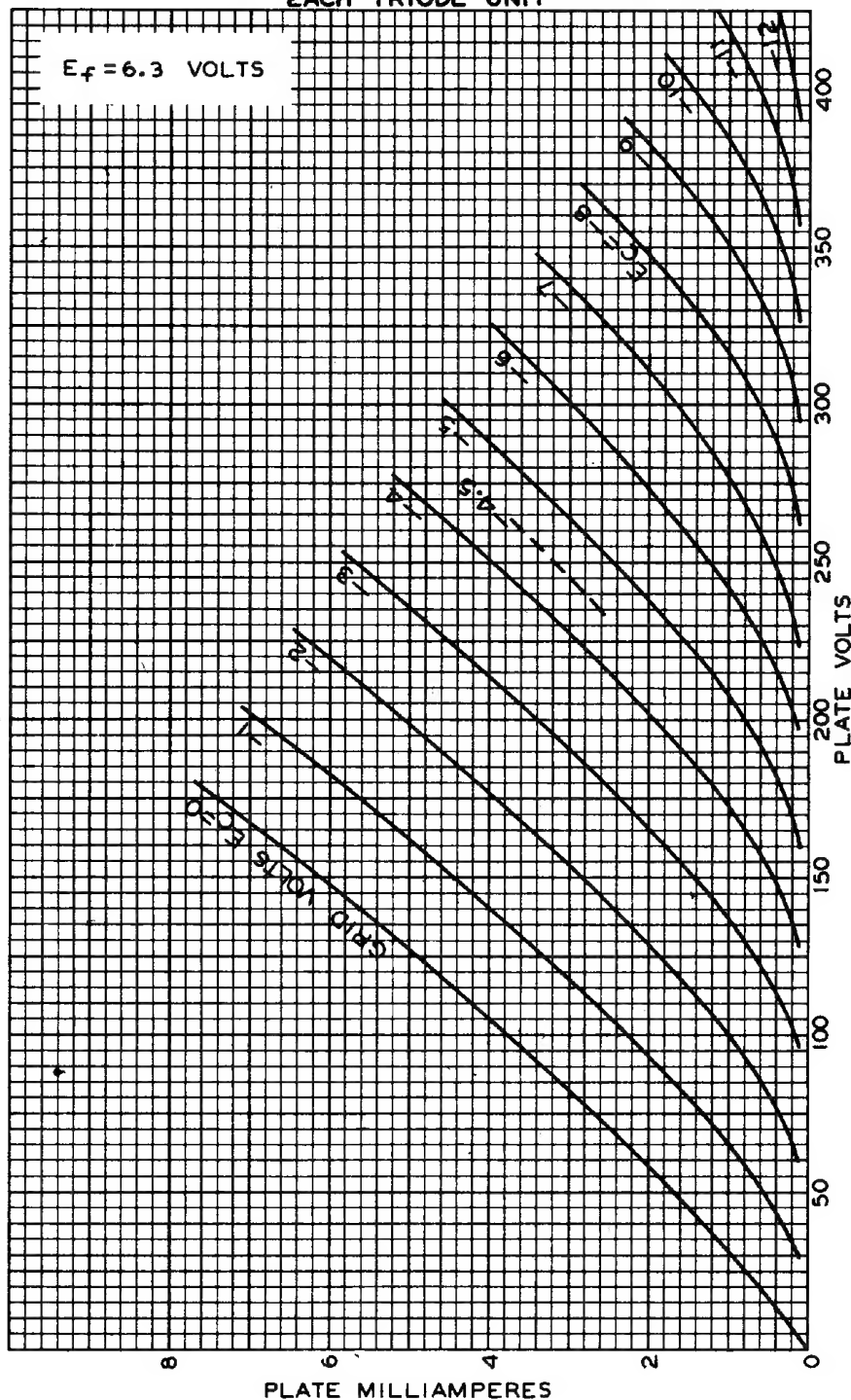
DATA

6C8-G



6C8-G

AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



SEPT. 18, 1941

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